

09928417_CLSTITLES

Titles of Most Frequently Occurring Classifications of Patents Returned

From A Search of 09928417 on July 01, 2004

9 455/333 (1 OR, 8 XR)
Class 455 : TELECOMMUNICATIONS
455/130 RECEIVER OR ANALOG MODULATED SIGNAL FREQUENCY
CONVERTER
455/313 .Frequency modifying or conversion
455/323 ..Particular frequency conversion structure or
circuitry
455/333 ...Transistor or integrated circuit

7 455/323 (2 OR, 5 XR)
Class 455 : TELECOMMUNICATIONS
455/130 RECEIVER OR ANALOG MODULATED SIGNAL FREQUENCY
CONVERTER
455/313 .Frequency modifying or conversion
455/323 ..Particular frequency conversion structure or
circuitry

6 331/117D (1 OR, 5 XR)
Class 331 : OSCILLATORS
331/107R SOLID STATE ACTIVE ELEMENT OSCILLATOR
331/108R .Transistors
331/117R ..L-C type
331/117D ...Distributed parameter resonator transistor
oscillators

6 455/325 (1 OR, 5 XR)
Class 455 : TELECOMMUNICATIONS
455/130 RECEIVER OR ANALOG MODULATED SIGNAL FREQUENCY
CONVERTER
455/313 .Frequency modifying or conversion
455/323 ..Particular frequency conversion structure or
circuitry
455/325 ...Including distributed electrical parameter
structure

6 455/327 (2 OR, 4 XR)
Class 455 : TELECOMMUNICATIONS
455/130 RECEIVER OR ANALOG MODULATED SIGNAL FREQUENCY
CONVERTER
455/313 .Frequency modifying or conversion
455/323 ..Particular frequency conversion structure or
circuitry
455/325 ...Including distributed electrical parameter

09928417_CLSTITLES
structure
455/326With balanced mixer
455/327Stripline

5 327/113 (2 OR, 3 XR)
Class 327 : MISCELLANEOUS ACTIVE ELECTRICAL NONLINEAR
DEVICES, CIRCUITS, AND SYSTEMS
327/100 SIGNAL CONVERTING, SHAPING, OR GENERATING
327/113 .Frequency or repetition rate conversion or
control

5 331/99 (3 OR, 2 XR)
Class 331 : OSCILLATORS
331/96 WITH DISTRIBUTED PARAMETER RESONATOR
331/99 .Parallel wire type

5 455/318 (1 OR, 4 XR)
Class 455 : TELECOMMUNICATIONS
455/130 RECEIVER OR ANALOG MODULATED SIGNAL FREQUENCY
CONVERTER
455/313 .Frequency modifying or conversion
455/318 ..With specified local oscillator structure or
coupling

4 327/105 (2 OR, 2 XR)
Class 327 : MISCELLANEOUS ACTIVE ELECTRICAL NONLINEAR
DEVICES, CIRCUITS, AND SYSTEMS
327/100 SIGNAL CONVERTING, SHAPING, OR GENERATING
327/105 .Synthesizer

4 331/117FE (0 OR, 4 XR)
Class 331 : OSCILLATORS
331/107R SOLID STATE ACTIVE ELEMENT OSCILLATOR
331/108R .Transistors
331/117R ..L-C type
331/117FE ...Field-effect transistor active element

4 348/731 (1 OR, 3 XR)
Class 348 : TELEVISION
348/725 RECEIVER CIRCUITRY
348/731 .Tuning

3 327/355 (1 OR, 2 XR)
Class 327 : MISCELLANEOUS ACTIVE ELECTRICAL NONLINEAR
DEVICES, CIRCUITS, AND SYSTEMS
327/334 SPECIFIC INPUT TO OUTPUT FUNCTION
327/355 .Combining of plural signals

09928417_CLSTITLES

- 3 455/314 (1 OR, 2 XR)
 - Class 455 : TELECOMMUNICATIONS
 - 455/130 RECEIVER OR ANALOG MODULATED SIGNAL FREQUENCY CONVERTER
 - 455/313 .Frequency modifying or conversion
 - 455/314 ..Plural separate successive conversions

- 3 455/319 (0 OR, 3 XR)
 - Class 455 : TELECOMMUNICATIONS
 - 455/130 RECEIVER OR ANALOG MODULATED SIGNAL FREQUENCY CONVERTER
 - 455/313 .Frequency modifying or conversion
 - 455/318 ..With specified local oscillator structure or coupling
 - 455/319 ...With particular coupling

- 3 455/330 (0 OR, 3 XR)
 - Class 455 : TELECOMMUNICATIONS
 - 455/130 RECEIVER OR ANALOG MODULATED SIGNAL FREQUENCY CONVERTER
 - 455/313 .Frequency modifying or conversion
 - 455/323 ..Particular frequency conversion structure or circuitry
 - 455/325 ...Including distributed electrical parameter structure
 - 455/330With nonlinear impedance (e.g., diode)

- 3 725/68 (2 OR, 1 XR)
 - Class 725 : INTERACTIVE VIDEO DISTRIBUTION SYSTEMS
 - 725/63 SATELLITE VIDEO DISTRIBUTION SYSTEM
 - 725/68 .Receiver

- 2 333/247 (0 OR, 2 XR)
 - Class 333 : WAVE TRANSMISSION LINES AND NETWORKS
 - 333/245 LONG LINE ELEMENTS AND COMPONENTS
 - 333/246 .Strip type
 - 333/247 ..Semiconductor mounts

- 2 343/786 (0 OR, 2 XR)
 - Class 343 : COMMUNICATIONS: RADIO WAVE ANTENNAS
 - 343/700R ANTENNAS
 - 343/772 .Wave guide type (e.g., horn)
 - 343/786 ..With horn

- 2 348/729 (1 OR, 1 XR)
 - Class 348 : TELEVISION
 - 348/725 RECEIVER CIRCUITRY
 - 348/729 .Television receiver adapted to receive radio

09928417_CLSTITLES

broadcast or in combination with radio rece

iver

- 2 455/189.1 (1 OR, 1 XR)
 - Class 455 : TELECOMMUNICATIONS
 - 455/130 RECEIVER OR ANALOG MODULATED SIGNAL FREQUENCY CONVERTER
 - 455/150.1 .Signal selection based on frequency (e.g., tuning)
 - 455/188.1 ..Band selection
 - 455/189.1 ...With plural separate mixer or converter circuits

- 2 455/190.1 (0 OR, 2 XR)
 - Class 455 : TELECOMMUNICATIONS
 - 455/130 RECEIVER OR ANALOG MODULATED SIGNAL FREQUENCY CONVERTER
 - 455/150.1 .Signal selection based on frequency (e.g., tuning)
 - 455/188.1 ..Band selection
 - 455/190.1 ...With frequency conversion

- 2 455/301 (1 OR, 1 XR)
 - Class 455 : TELECOMMUNICATIONS
 - 455/130 RECEIVER OR ANALOG MODULATED SIGNAL FREQUENCY CONVERTER
 - 455/296 .Noise or interference elimination
 - 455/300 ..By shielding
 - 455/301 ...Plural or compartmented shielding structure

- 2 455/313 (0 OR, 2 XR)
 - Class 455 : TELECOMMUNICATIONS
 - 455/130 RECEIVER OR ANALOG MODULATED SIGNAL FREQUENCY CONVERTER
 - 455/313 .Frequency modifying or conversion

- 2 455/316 (0 OR, 2 XR)
 - Class 455 : TELECOMMUNICATIONS
 - 455/130 RECEIVER OR ANALOG MODULATED SIGNAL FREQUENCY CONVERTER
 - 455/313 .Frequency modifying or conversion
 - 455/314 ..Plural separate successive conversions
 - 455/315 ...With plural separate local oscillators
 - 455/316With frequency stabilization for at least one local oscillator

- 2 455/328 (1 OR, 1 XR)

09928417_CLSTITLES

Class 455 : TELECOMMUNICATIONS

455/130 RECEIVER OR ANALOG MODULATED SIGNAL FREQUENCY
CONVERTER

455/313 .Frequency modifying or conversion

455/323 ..Particular frequency conversion structure or
circuitry

455/325 ...Including distributed electrical parameter
structure

455/326With balanced mixer

455/328Hollow waveguide

2 455/86 (1 OR, 1 XR)

Class 455 : TELECOMMUNICATIONS

455/73 TRANSMITTER AND RECEIVER AT SAME STATION (E.G.
/

TRANSCEIVER)

455/84 .With a common signal processing stage

455/86 ..Transmitter oscillator used as local
oscillator

2 725/131 (0 OR, 2 XR)

Class 725 : INTERACTIVE VIDEO DISTRIBUTION SYSTEMS

725/105 VIDEO DISTRIBUTION SYSTEM WITH UPSTREAM
COMMUNICATION

725/131 .Receiver (e.g., set-top box)

2 725/73 (2 OR, 0 XR)

Class 725 : INTERACTIVE VIDEO DISTRIBUTION SYSTEMS

725/73 TERRESTRIAL MICROWAVE VIDEO DISTRIBUTION SYSTE

M

09928417_EAST

(5323064
5345194
5465418
4810976
6307598
5291153
5396132
5444399
5602501
4812772
5006811
4792987
4797638
5584064
5754951
5801590
6178319
5812591
4523159
5379309
5574997
4491969
5014349
5019910
5784413
5857004
5959592
6094236
6353490
5767526
5974095
6041224
5355532
4876739
5394559
5437052
5953644
6307877
5612610
6594477
4996718
5594452
5689819
5606738
5760632
5697091
6160425
5341111

09928417_EAST

4320536
5677621) .pn.

09928417_CLS
Most Frequently Occurring Classifications of Patents Returned
From A Search of 09928417 on July 01, 2004

Original Classifications

3 331/99
2 327/105
2 327/113
2 455/323
2 455/327
2 725/68
2 725/73

Cross-Reference Classifications

8 455/333
5 331/117D
5 455/323
5 455/325
4 331/117FE
4 455/318
4 455/327
3 327/113
3 348/731
3 455/319
3 455/330
2 327/105
2 327/355
2 331/99
2 333/247
2 343/786
2 455/190.1
2 455/313
2 455/314
2 455/316
2 725/131

Combined Classifications

9 455/333
7 455/323
6 331/117D
6 455/325
6 455/327
5 327/113
5 331/99
5 455/318
4 327/105
4 331/117FE
4 348/731

09928417_CLS

3 327/355
3 455/314
3 455/319
3 455/330
3 725/68
2 333/247
2 343/786
2 348/729
2 455/189.1
2 455/190.1
2 455/301
2 455/313
2 455/316
2 455/328
2 455/86
2 725/131
2 725/73

17

PLUS Search Results for S/N 09928417, Searched July 01, 2004

The Patent Linguistics Utility System (PLUS) is a USPTO automated search system for U.S. Patents from 1971 to the present. PLUS is a query-by-example search system which produces a list of patents that are most closely related linguistically to the application searched. This search was prepared by the staff of the Scientific and Technical Information Center, SIRA.

5323064
5345194
5465418
4810976
6307598
5291153
5396132
5444399
5602501
4812772
5006811
4792987
4797638
5584064
5754951
5801590
6178319
5812591
4523159
5379309
5574997
4491969
5014349
5019910
5784413
5857004
5959592
6094236
6353490
5767526
5974095
6041224
5355532
4876739
5394559

09928417_LIST

5437052
5953644
6307877
5612610
6594477
4996718
5594452
5689819
5606738
5760632
5697091
6160425
5341111
4320536
5677621

09928417_QUAL

5323064 69
5345194 68
5465418 68
4810976 67
6307598 63
5291153 62
5396132 62
5444399 62
5602501 62
4812772 61
5006811 61
4792987 61
4797638 61
5584064 61
5754951 61
5801590 61
6178319 61
5812591 60
4523159 60
5379309 58
5574997 58
4491969 58
5014349 58
5019910 58
5784413 58
5857004 58
5959592 58
6094236 58
6353490 58
5767526 58
5974095 58
6041224 58
5355532 57
4876739 57
5394559 57
5437052 57
5953644 57
6307877 57
5612610 57
6594477 57
4996718 56
5594452 56
5689819 56
5606738 56
5760632 56
5697091 56
6160425 56
5341111 55

09928417_QUAL

4320536 55
5677621 55

ability 1
above 5
abstract 1
accompanying 1
according 1
achieve 2
adopted 1
adversely 1
affect 1
amplifier 10
amplifiers 2
an 4
and 28
andan 1
are 2
as 17
at 6
background 1
basic 3
be 2
behindwhich 1
best 1
between 10
bipolar 12
bjt 1
brief 1
by 4
can 1
case 1
circuit 5
combine 1
connect 2
connected 5
connection 2
consumption 3
conventional 5
converter 17
described 1
description 3
desirable 1
detailed 2
develop 1
diagram 3
disadvantages 1
disclosure 1
down 17
drawbacks 1
drawings 2

effect 7
eliminate 8
eliminated 1
embodiment 1
embodiments 2
existing 2
exists 1
field 8
fieldeffect 1
fig 3
following 2
for 4
form 2
foundwhen 1
frequencies 1
frequency 10
from 4
generally 1
generate 1
ghz 1
harmonic 11
have 1
having 1
high 2
however 1
if 6
improve 1
in 14
includes 2
intended 1
interference 10
interferences 1
intermediate 4
invention 9
inventor 1
is 20
it 2
junction 12
local 21
low 5
mainly 1
may 1
means 1
mentioned 2
mesfet 3
method 8
mhz 3
mixer 8

more 1
moreover 1
noise 6
object 1
objects 2
of 29
operative 1
oscillator 11
oscillatorenablestreducedphasenoiseandloweredpower 1
oscillatormaybealargeoutput 1
oscillators 8
other 2
output 5
outputs 1
particularly 1
phase 1
please 1
port 2
power 1
preferred 3
present 6
primary 1
problem 2
problems 1
provide 2
provided 1
range 7
receivers 1
receiving 2
reduced 1
reducedpower 1
refer 1
referring 1
relates 1
replacing 1
required 1
respectively 1
same 3
satellite 17
second 11
serial 2
serially 6
serving 1
shown 1
signal 1
similarly 1
so 1
structure 2

09928417_WDS

summary 1
technical 1
that 4
the 63
thereof 1
these 2
third 11
this 1
to 32
transistor 18
transistors 2
tried 1
two 7
understood 1
use 2
used 2
uses 3
using 6
usually 1
view 1
well 1
when 2
wherein 2
which 1
with 2
within 4
would 1

09928417 WEST

(5323064 5345194 5465418 4810976 6307598 5291153 5396132 5444399 56025
01 4812772 5006811 4792987 4797638 5584064 5754951 5801590 6178319 581
2591 4523159 5379309 5574997 4491969 5014349 5019910 5784413 5857004 5
959592 6094236 6353490 5767526 5974095 6041224 5355532 4876739 5394559
5437052 5953644 6307877 5612610 6594477 4996718 5594452 5689819 56067
38 5760632 5697091 6160425 5341111 4320536 5677621).pn.